

July 8, 2023

Docket No.: 52-026

ND-23-0490
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 3.3.00.05c [Index Number 786]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.3.00.05c [Index Number 786]. This ITAAC requires inspections be performed of the boundaries between the following rooms which contain safety-related equipment – Passive Core Cooling System (PXS) Valve/Accumulator Room A (11206), PXS Valve/Accumulator Room B (11207), and Chemical and Volume Control System (CVS) Room (11209) – to demonstrate that the boundaries between these rooms are designed to prevent flooding between these rooms. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (NEI) 08-01, *Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52*, which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,



Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.3.00.05c [Index Number 786]

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cc: Regional Administrator, Region II
 Director, Office of Nuclear Reactor Regulation (NRR)
 Director, Vogtle Project Office NRR
 Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company
ND-23-0490
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.3.00.05c [Index Number 786]**

ITAAC Statement

Design Commitment

5.c) The boundaries between the following rooms, which contain safety-related equipment – PXS valve/accumulator room A (11206), PXS valve/accumulator room B (11207), and CVS room (11209) – are designed to prevent flooding between these rooms.

Inspections/Tests/Analyses

An inspection of the boundaries between the following rooms which contain safety-related equipment – PXS Valve/Accumulator Room A (11206), PXS Valve/Accumulator Room B (11207), and CVS Room (11209) – will be performed.

Acceptance Criteria

A report exists that confirms that flooding of the PXS Valve/Accumulator Room A (11206), and the PXS Valve/Accumulator Room B (11207) is prevented to a maximum flood level as follows: PXS A 110'-2", PXS B 110'-1"; and of the CVS room (11209) to a maximum flood level of 110'-0".

ITAAC Determination Basis

An inspection of the boundaries between the following rooms which contain safety-related equipment – Passive Core Cooling System (PXS) Valve/Accumulator Room A (11206), PXS Valve/Accumulator Room B (11207), and Chemical and Volume Control System (CVS) Room (11209) – was performed to demonstrate that the boundaries between these rooms are designed to prevent flooding between these rooms.

The inspection was performed to document the existence of provisions to prevent flooding between rooms via openings or penetrations below the maximum flood levels of 110'-2" for PXS A, 110'-1" for PXS B (including adjacent room 11208), and 110'-0" for the CVS room. A visual inspection was performed of the floors, walls, and ceilings of each room indicated above. As part of this visual inspection, all openings, and penetrations through these boundaries below the maximum flood levels were documented. Each opening or penetration located below the maximum flood levels was inspected to ensure that watertight hatches, curbs (flood weirs), and penetration seals specified in the design documents to prevent flooding from the flooding source to the adjacent rooms are installed as required. In addition, the height of each curb (flood weir) was verified to ensure flooding between the rooms is prevented.

The inspection plan and results of the visual inspection of the floors, walls and ceiling were documented in the Unit 4 inspection report (Reference 1). The inspection results compiled in Reference 1 confirm that floors, walls, and ceilings have provisions to prevent flooding between the PXS Valve/Accumulator Room A (11206), PXS Valve/Accumulator Room B (11207), and the CVS room (11209) up to the maximum flood levels for each room (i.e., PXS A 110'-2", PXS B 110'-1"; and CVS room 110'-0").

Reference 1 is available for NRC inspection as part of the Unit 4 ITAAC 3.3.00.05c Completion Package (Reference 2).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 3.3.00.05c (Reference 2) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.3.00.05c was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV4-1100-ITR-800786, Rev. 0, "Accumulator Rooms and CVS Room Flood Prevention"
2. 3.3.00.05c-U4-CP-Rev0, ITAAC Completion Package
3. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"